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/*Design, Develop and Implement a Program in C for evaluation of Suffix expression
with single digit operands and operators: +, -, *, /, \%, ^{\wedge}.
*/
#include<stdio.h>
#include<stdlib.h>
#include<math.h>
int i, top = -1;
int op1, op2, res, s[20];
char postfix[90], symb;
void push(int item)
top = top+1;
s[top] = item;
int pop()
int item;
item = s[top];
top = top-1;
return item;
void main()
printf("\nEnter a valid postfix expression:\n");
scanf("%s", postfix);
for(i=0; postfix[i]!='\0'; i++)
symb = postfix[i];
if(isdigit(symb))
push(symb - '0');
else
op2 = pop();
op1 = pop();
switch(symb)
case '+': push(op1+op2);
break;
case '-': push(op1-op2);
break;
case '*': push(op1*op2);
break;
case '/': push(op1/op2);
break;
case '%': push(op1%op2);
break;
case '$':
case '^': push(pow(op1,op2));
break;
default : push(0);
}
```

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res = pop();
printf("\n Result = %d", res);
}
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